

**D-19-Z**

Roll No. 7110311

Total No. of Questions : 11] [Total No. of Printed Pages : 2

**HSEIRKN15**

**6419-Z**

**ZOOLOGY**

**(Biology)**

**Time : 1½ Hours]**

**[Maximum Marks : 35**

**(Long Answer Type Questions) 5 Each**

1. What do you mean by "DNA Fingerprinting" ? Explain in brief "Human Genome Project" and its significance.

*Or*

Explain Hardy Weinberg's Principle. Add a note on Adaptive radiation.

2. Define "Gametogenesis". Describe the microscopic anatomy of 'Human Testis'.

*Or*

Name various methods of 'Asexual Reproduction'. Describe any three of them.

**(Short Answer Type Questions) 3 Each**

3. Write a short note on "Gene therapy".  
4. What is Filariasis ? How is it caused ?  
5. Name Mendelian disorders in humans. Explain colourblindness in human beings.  
6. Write a short note on "MTP".

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Turn Over

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**(Very Short Answer Type Questions)**

2 Each

7. What do you mean by "Amniocentesis" ?
8. What is the difference between Homologous and Analogous Organs ?
9. What do you mean by "DNA Recombinant Technology" ?
10. What is the economic importance of "Silk" ?

**(Objective/M.C.Q. Type Questions)**

1 Each

Do as directed :

11. (i) Expand the term "STD".
- (ii) Weisman theory is known as theory of continuity of "Germplasm". (Say Yes/No)
- (iii) Differences that exist among organisms are called ..... (Fill up)
- (iv) Passive immunity was discovered by :
  - (a) Louis Pasteur
  - (b) Robert Koch
  - (c) Von-Behring
  - (d) Edward Jenner(Choose the correct one)
- (v) Give one word for :

"The allergin-reagin reaction occurs in the bronchioles of the lungs."

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